AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A computer-implemented method for selectively auditing accesses to a relational database, comprising:

receiving a query for the relational database;

selectively auditing an access to the relational database,

wherein selectively auditing the access involves automatically modifying the query prior to processing the query,

wherein processing the query causes an audit record to be created and recorded only for rows in relational tables accessed by the query and that satisfy an auditing condition,

wherein the auditing condition specifies a condition based on a value of a field in a row in the relational database, and

wherein satisfying the auditing condition allows selective auditing of the query,

processing the modified query to produce a query result, wherein processing the modified query includes:~~,~~

creating the auditing records only for rows in relational tables accessed by the query and that satisfy~~ing~~ the auditing condition, and

recording the audit record in an audit record store; and

returning the query result.

2 (Canceled).

3. (Previously presented) The method of claim 1, further comprising ensuring the case statement is evaluated near the end of the query processing so the case statement is evaluated only after other conditions of the query are satisfied.

4 (Canceled).

5. (Original) The method of claim 1, wherein if the query modifies at least one entry in the relational database, using a relational database system trigger to create and record the audit record for the modification to the relational database.

6 (Canceled).

7. (Original) The method of claim 1, wherein the audit record includes:
a user name for a user making the query;
a time stamp specifying a time of the query; and
a text of the query.

8. (Original) The method of claim 1, wherein the auditing condition includes a condition for a field within the relational database.

9. (Currently amended) A computer-readable storage medium storing instructions to be executed by a computer causing the computer to perform a method for selectively auditing accesses to a relational database, the method comprising:
receiving a query for the relational database;
selectively auditing an access to the relational database,
wherein selectively auditing the access involves automatically modifying the query prior to processing the query,
wherein processing the query causes an audit record to be created and recorded only for rows in relational tables accessed by

the query and that satisfy~~ing~~ an auditing condition,

wherein the auditing condition specifies a condition based on a value of a field in a row in the relational database, and

wherein satisfying the auditing condition allows selective auditing of the query,

processing the modified query to produce a query result, wherein processing the modified query includes:

creating the auditing records only for rows in relational tables accessed by the query and that satisfy~~ing~~ the auditing condition, and

recording the audit record in an audit record store; and

returning the query result.

10 (Canceled).

11. (Previously presented) The computer-readable storage medium of claim 9, wherein the method further comprises ensuring the case statement is evaluated near the end of the query processing so the case statement is evaluated only after other conditions of the query are satisfied.

12. (Original) The computer-readable storage medium of claim 9, wherein the method further comprises retrieving the auditing condition for a given table from a data structure associated with the given table.

13. (Original) The computer-readable storage medium of claim 9, wherein if the query modifies at least one entry in the relational database, the method further comprises using a relational database system trigger to create and record the audit record for the modification to the relational database.

14 (Canceled).

15. (Original) The computer-readable storage medium of claim 9, wherein the audit record includes:

a user name for a user making the query;

a time stamp specifying a time of the query; and

a text of the query.

16. (Original) The computer-readable storage medium of claim 9, wherein the auditing condition includes a condition for a field within the relational database.

17. (Currently amended) An apparatus for selectively auditing accesses to a relational database, comprising:

a receiving mechanism configured to receive a query for the relational database;

a selective auditing mechanism configured to selectively audit an access to the relational database,

wherein selectively auditing the access involves automatically modifying the query prior to processing the query,

wherein processing the query causes an audit record to be created and recorded only for rows in relational tables accessed by the query and satisfying an auditing condition,

wherein the auditing condition specifies a condition based on a value of a field in a row in the relational database, and

wherein satisfying the auditing condition allows selective auditing of the query,

a query processor configured to process the modified query to produce a query result, wherein processing the modified query includes:

creating the auditing records only for rows in relational tables accessed by the query and that satisfy~~ing~~ the auditing condition, and

recording the audit record in an audit record store; and

a returning mechanism configured to return the query result.

18 (Canceled).

19. (Previously presented) The apparatus of claim 17, wherein the query modification mechanism is configured to ensure the case statement is evaluated near the end of the query processing so the case statement is evaluated only after other conditions of the query are satisfied.

20. (Original) The apparatus of claim 17, wherein the query modification mechanism is configured to retrieve the auditing condition for a given table from a data structure associated with the given table.

21. (Original) The apparatus of claim 17, wherein if the query modifies at least one entry in the relational database, the apparatus uses a relational database system trigger to create and record the audit record for the modification to the relational database.

22 (Canceled).

23. (Original) The apparatus of claim 17, wherein the audit record includes:
a user name for a user making the query;
a time stamp specifying a time of the query; and
a text of the query.

24. (Original) The apparatus of claim 17, wherein the auditing condition includes a condition for a field within the relational database.

25. (Previously presented) The method of claim 1, further comprising retrieving the auditing condition for a given table from a data structure associated with the given table.

26. (Currently amended) A computer-implemented method for selectively auditing accesses to a relational database, comprising:

receiving a database operation for the relational database;

selectively auditing an access to the relational database based on an auditing condition, wherein the auditing condition specifies a condition based on a value of a field in a row in the relational database;

processing the database operation to produce a database operation result, wherein processing the database operation includes:

creating the auditing records only for selected rows in the relational database that are accessed by the database operation~~,~~ ~~wherein the selected rows~~ and that satisfy the auditing condition, and

recording the audit record in an audit record store; and

returning the database operation result;

wherein selectively auditing the access involves automatically modifying the database operation prior to processing the database operation.

wherein satisfying the auditing condition allows selective auditing of the database operation and not for other rows;

wherein satisfying the auditing condition allows selective auditing of the database operation.~~;~~

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27 (Canceled).

28. (Previously presented) The method of claim 26, wherein the auditing condition includes a condition for at least two fields within the relational database.

29. (Currently amended) A computer-readable storage medium storing

instructions that when executed by a computer cause the computer to perform a method for selectively auditing accesses to a relational database, the method comprising:

receiving a database operation for the relational database;

selectively auditing an access to the relational database based on an auditing condition, wherein the auditing condition specifies a condition based on a value of a field in a row in the relational database;

processing the database operation to produce a database operation result, wherein processing the database operation includes:

creating the auditing records only for selected rows in the relational database that are accessed by the database operation~~,~~ ~~wherein the selected rows~~ and that satisfy the auditing condition, and

recording the audit record in an audit record store; and

returning the database operation result;

wherein selectively auditing the access involves automatically modifying the database operation prior to processing the database operation.

wherein satisfying the auditing condition allows selective auditing of the database operation and not for other rows;

wherein satisfying the auditing condition allows selective auditing of the database operation.~~;~~

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30 (Canceled).

31. (Previously presented) The computer-readable storage medium of claim 29, wherein the auditing condition includes a condition for at least two fields within the relational database.

32. (Currently amended) An apparatus for selectively auditing accesses to a relational database, comprising:

a receiving mechanism configured to receive a database operation for the relational database;

a selective auditing mechanism configured to selectively audit an access to the relational database based on an auditing condition, wherein the auditing condition specifies a condition based on a value of a field in a row in the relational database;

a processing mechanism configured to process the database operation to produce a database operation result;

a creating mechanism configured to create the auditing records only for selected rows in the relational database that are accessed by the database operation~~, wherein the selected rows~~ and that satisfy the auditing condition, and

a recording mechanism configured to record the audit record in an audit record store; and

a returning mechanism configured to return the database operation result;

wherein selectively auditing the access involves automatically modifying the database operation prior to processing the database operation,

wherein satisfying the auditing condition allows selective auditing of the database operation and not for other rows;

wherein satisfying the auditing condition allows selective auditing of the database operation.~~;~~

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33 (Canceled).

34. (Previously presented) The apparatus of claim 32, wherein the auditing condition includes a condition for at least two fields within the relational database.